

OIPE

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

1 <110> APPLICANT: Genentech, Inc.
2 Ashkenazi, Avi
3 Botstein, David
4 Desnoyers, Luc
5 Eaton, Dan L.
6 Ferrara, Napoleone
7 Filvaroff, Ellen
8 Fong, Sherman
9 Gao, Wei-Qiang
10 Gerber, Hanspeter
11 Gerritsen, Mary E.
12 Goddard, A.
13 Godowski, Paul J.
14 Grimaldi, Christopher J.
15 Gurney, Austin L.
16 Hillan, Kenneth, J.
17 Kljavin, Ivar J.
18 Mather, Jennie P.
19 Pan, James
20 Paoni, Nicholas F.
21 Roy, Margaret Ann
22 Stewart, Timothy A.
23 Tuma's, Daniel
24 Williams, P. Mickey
25 Wood, William, I.
26 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
27 Acids Encoding the Same
28 <130> FILE REFERENCE: 10466-14
29 <140> CURRENT APPLICATION NUMBER: 09/902,634
30 <141> CURRENT FILING DATE: 2001-07-10
31 <150> PRIOR APPLICATION NUMBER: US/09/665,350
32 <151> PRIOR FILING DATE: 2000-09-18
33 <150> PRIOR APPLICATION NUMBER: US 60/143,048
34 <151> PRIOR FILING DATE: 1999-07-07
35 <150> PRIOR APPLICATION NUMBER: US 60/145,698
36 <151> PRIOR FILING DATE: 1999-07-26
37 <150> PRIOR APPLICATION NUMBER: US 60/146,222
38 <151> PRIOR FILING DATE: 1999-07-28
39 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
40 <151> PRIOR FILING DATE: 1999-09-08
41 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
42 <151> PRIOR FILING DATE: 1999-09-13
43 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
44 <151> PRIOR FILING DATE: 1999-09-15
45 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547
46 <151> PRIOR FILING DATE: 1999-09-15
47 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089

RECEIVED

APR 01 2002

TECH CENTER 1600/200

ENTERED

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

Input Set : N:\Crif3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

```

48 <151> PRIOR FILING DATE: 1999-10-05
49 <150> PRIOR APPLICATION NUMBER: PCT/US99/28214
50 <151> PRIOR FILING DATE: 1999-11-29
51 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
52 <151> PRIOR FILING DATE: 1999-11-30
53 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564
54 <151> PRIOR FILING DATE: 1999-12-02
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565
56 <151> PRIOR FILING DATE: 1999-12-02
57 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
58 <151> PRIOR FILING DATE: 1999-12-16
59 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911
60 <151> PRIOR FILING DATE: 1999-12-20
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999
62 <151> PRIOR FILING DATE: 1999-12-20
63 <150> PRIOR APPLICATION NUMBER: PCT/US00/00219
64 <151> PRIOR FILING DATE: 2000-01-05
65 <160> NUMBER OF SEQ ID NOS: 423
67 <210> SEQ ID NO: 1
68 <211> LENGTH: 1825
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo Sapien
71 <400> SEQUENCE: 1
72      actgcacctc ggttctatcg attgaattcc ccgggggatcc tctagagatc 50
73      cctgcacctc gacccacgcg tccggggccgg agcagcacgg ccgcaggacc 100
74      tggagctccg gctgctctt cccgcagcgc taccgccat gcgcctgccg 150
75      cgccgggccc cgctggggct cctgccgctt ctgctgctgc tgcgcgccgc 200
76      gccggaggcc gccagaagc cgacgccctg ccaccggtgc cgggggctgg 250
77      tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
78      ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtccag 350
79      cgagattcgc ctgctggaga tcctggaggg gctgtgcgag agcagcgact 400
80      tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
81      tggtgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
82      gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
83      tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
84      agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
85      gtaccagggc ccgctgtgca ctgactgcat ggacggctac ttcagctcgc 700
86      tccggaacga gaccacagc atctgcacag cctgtgacga gtcctgcaag 750
87      acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
88      ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
89      cgctccctg cagcgtgcg cagttctgta agaacgcaa cggtccctac 900
90      acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag ggggaaggccc 950
91      aggaaactgt aaagagtgt tctctggcta cgcgaggag cacggacagt 1000
92      gtgcagatgt ggacgagtgc tctactagcag aaaaaacctg tgtgaggaaa 1050
93      aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
94      cggcttcgaa gaaacggaag atgcctgtgt gccgccggca gaggtgaag 1150
95      ccacagaagg agaaagcccg acacagctgc cctcccgcga agacctgtaa 1200
96      tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat 1250
97      gtggccctga ggatgccgtc tcctgcagtg gacagcggcg gggagaggct 1300

```

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

```

98      gcctgctctc taacggttga ttctcatttg tcccttaaac agctgcattt 1350
99      cttggttggt cttaaacaga cttgtatat ttgatacagt tctttgtaat 1400
100     aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
101     aaagggcggc cgcgactcta gactcgacct gcagaagctt ggccgccatg 1500
102     gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
103     tcacaaattt cacaaataaa gcattttttt cactgcattc tagttgtggg 1600
104     ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
105     cggcgagcga ccatggcctg aaataacctc tgaaagagga acttggttag 1700
106     gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
107     tgtggaaagt cccagggctc cccagcaggc agaagtatgc aagcatgcat 1800
108     ctcaattagt cagcaacca gtttt 1825

```

110 <210> SEQ ID NO: 2

111 <211> LENGTH: 353

112 <212> TYPE: PRT

113 <213> ORGANISM: Homo Sapien

114 <400> SEQUENCE: 2

```

115      Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu
116      1          5          10          15
117      Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
118      20          25          30
119      Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
120      35          40          45
121      Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
122      50          55          60
123      Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
124      65          70          75
125      Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
126      80          85          90
127      Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
128      95          100          105
129      Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
130      110          115          120
131      Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
132      125          130          135
133      Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
134      140          145          150
135      Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
136      155          160          165
137      Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
138      170          175          180
139      Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
140      185          190          195
141      Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
142      200          205          210
143      Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
144      215          220          225
145      Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
146      230          235          240
147      Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr

```

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

148		245		250		255
149	Cys Glu Glu Cys	Asp Ser Ser Cys Val	Gly Cys Thr Gly Glu	Gly		
150		260		265		270
151	Pro Gly Asn Cys	Lys Glu Cys Ile Ser	Gly Tyr Ala Arg Glu	His		
152		275		280		285
153	Gly Gln Cys Ala	Asp Val Asp Glu Cys	Ser Leu Ala Glu Lys	Thr		
154		290		295		300
155	Cys Val Arg Lys	Asn Glu Asn Cys Tyr	Asn Thr Pro Gly Ser	Tyr		
156		305		310		315
157	Val Cys Val Cys	Pro Asp Gly Phe Glu	Glu Thr Glu Asp Ala	Cys		
158		320		325		330
159	Val Pro Pro Ala	Glu Ala Glu Ala Thr	Glu Gly Glu Ser Pro	Thr		
160		335		340		345
161	Gln Leu Pro Ser	Arg Glu Asp Leu				
162		350				

164 <210> SEQ ID NO: 3

165 <211> LENGTH: 2206

166 <212> TYPE: DNA

167 <213> ORGANISM: Homo Sapien

168 <400> SEQUENCE: 3

```

169      caggccaac tgcacctcgg ttctatcgat tgaattcccc ggggatacctc 50
170      tagagatccc tgcacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
171      cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
172      gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
173      cccggcagcg aggaggtcct gagcagcatg gcccgaggga gcgccttccc 250
174      tgccgccgcg ctctggctct ggagcatcct cctgtgcctg ctggcaactgc 300
175      gggcgagggc cgggccgccc caggaggaga gcctgtacct atggatcgat 350
176      gctcaccagg caagagtact cataggattt gaagaagata tcttgattgt 400
177      ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
178      agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
179      caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
180      cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
181      gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
182      ggaaaacagg atgggtggc agcatttgaa gtggatgtga ttgttatgaa 700
183      ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
184      aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
185      tgtaatgaaa gacgcactct cgagtgtcct gatgggttcc acggacctca 850
186      ctgtgagaaa gccctttgta cccacgatg tatgaatggg ggactttgtg 900
187      tgactcctgg tttctgcate tgcccacctg gattctatgg agtgaactgt 950
188      gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
189      ccctggaaaa tgtatttgcc ctccaggact agaggagag cagtgtgaaa 1050
190      tcagcaaata cccacaaccc tgtcgaaatg gaggtaaatg cattggtaaa 1100
191      agcaaatagt agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
192      tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
193      aatgccaatg tcaagaaggc tggcatggaa gacactgcaa taaaaggtac 1250
194      gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
195      gcacacgcct tcaactaaaa aggccgagga gcggcgggat ccacctgaat 1350
196      ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
197      agttcatagc ctttgttaac ctttcatgtg ttgaatgttc aaataatgtt 1450

```

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

```

198      cttacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
199      actgagctga tatttactct tcctttttaag ttttctaagt acgtctgtag 1550
200      catgatgga tagattttct tgtttcagtg ctttgggaca gattttatat 1600
201      tatgtcaatt gatcagggtta aaattttcag tgtgtagttg gcagatatatt 1650
202      tcaaaaattac aatgcattta tgggtgctgg gggcagggga acatcagaaa 1700
203      gggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atgggtgcagt 1750
204      taatggtgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
205      ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
206      tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
207      ttacactgtg gtagtggcat ttaaaacaata taatatattc taaacacaat 1950
208      gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
209      aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
210      tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
211      aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag 2150
212      tcgacctgca gaagcttggc cgccatggcc caacttgttt attgcagctt 2200
213      ataatg 2206

```

215 <210> SEQ ID NO: 4

216 <211> LENGTH: 379

217 <212> TYPE: PRT

218 <213> ORGANISM: Homo Sapien

219 <400> SEQUENCE: 4

```

220      Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp
221      1          5          10          15
222      Ser Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro
223      20          25          30
224      Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
225      35          40          45
226      Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
227      50          55          60
228      Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
229      65          70          75
230      Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
231      80          85          90
232      Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
233      95          100         105
234      Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
235      110         115         120
236      Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
237      125         130         135
238      Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
239      140         145         150
240      Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
241      155         160         165
242      Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
243      170         175         180
244      Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
245      185         190         195
246      Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
247      200         205         210

```

VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:30:00

Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:3339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:4418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:4528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:5403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:5404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206